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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.			5564	Ŋ	
First Inventor		20	Samuel C. Weaver	7 U	
Title	Title Metal Matrix Composite Horseshoe				

S e MFPC chapter 600 concerning utility patient application contents. X Separation Form (e.g., PTO/SBIT) 7,	APPLICATION ELEMENTS			ADDRESS TO: Assistant Commissioner for Patents Box Patent Application				
Computer Program (Appendix)		nts.	Washington, DC 20231					
2. X Septicant claims small entity status. Specification Total Pages 6 Descriptive title of the invention Cross Reference to Related Applications Computer Readable Form (CRF) Descriptive title of the invention Cross Reference to Sequence Issting appendix Computer program listing a table, or a computer program listing appendix Berlin Description of the Drawings (if filed) Detailed Description of the Drawings (if filed) Detailed Description of the Drawings (if filed) Detailed Description Total Pages 1 Machine there is an assignee) 10 Machine th	1. X Fee Transmittal Fe							
3. X Specification Computer Readable Form (CRF)	Applicant claims small entity status.			8. Nucleotide and/or Amino Acid Sequence Submission				
- Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure 4.				` (<u></u>		•	CRF)	
- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Claim(s) - Abstract of the Disclosure 4.				b. Specific	cation Sequence	Listing or	1:	
- Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure - Information Desclosure - Statement (IDS)/PTO-1449 - The Preliminary Amendment - Abstract of the Disclosure - Abs				i. [CD-ROM o	r CD-R (2	copie	s); or
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4. Drawing(s) (35 U.S.C. 113) [Total Sheets]] 11. English Translation Document (if applicable) 5. Oath or Declaration [Total Pages] 1	` ,	Disclosure					X	
5. Oath or Declaration [Total Pages] 1 a.	4 Drawing(s) (35 U	S.C. 113) Total Sheets] 1				nt (if a	•
a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33(b) 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-pert (CIP) Prior application information: Examiner For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an eath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently ornited from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Insert Customer Number or Bar Code Label Inse			j i	7/141			X	1 .
b. Copy from a prior application (\$7 CFR 1.83 (d)) i. DELETION OF INVENTOR(\$) Signed statement attached deleting inventor(\$) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76 19. Continuation Divisional Continuation-in-pert (CIP) of prior application No. Prior application Information: Examiner For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under To CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label (Insert Customer Number or Bar Code Label Venture Customer Number or Bar Code Label Venture Customer Number or Bar Code See See See See See See See See See S	a. X Newly execu	-						
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16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	i. DELETION OF INVENTOR(S)			1				
1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-pert (CIP) Prior application Information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an eath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label (Insert Customer No. or Attach ber code label here) Name I van L. Ericson 121 Whippoorwill Drive Address City Oak Ridge State TN Zip Code 37830 Country USA Telephone 8654836275 Fax Name (Print/Type) I van L. Ericson Registration No. (Attomey/Agent) 29302				Nonnublication Paguest under 35 H S C 122				
6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No: Prior application information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label (Insert Cistomer No. or Attach bar code label here) Or X Correspondence address below Name IVan L. Ericson 121 Whippoorwill Drive Address City Oak Ridge State TN Zip Code 37830 Country USA Telephone 8654836275 Fax Name (Print/Type) Ivan L. Ericson Registration No. (Attorney/Agent) 29302	, , , , ,			(b)(2)(B)(i). Applicant must attach form PTO/SB/35				
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Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Name Ivan L. Ericson 121 Whippoorwill Drive Address City Oak Ridge State TN Zip Code 37830 Country USA Telephone 8654836275 Fax Name (Print/Type) Ivan L. Ericson Registration No. (Attorney/Agent) 29302	The incorporation can only be				the submitted ap	plication p	arts.	
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	Name (Print/Type)	Ivan L. Ericson		Registratio	n No. (Attorne)	//Agent)	29	302

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

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Samuel C. Weav	rer 5			
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METHOD OF PAYMENT	FEE CALCULATION (continued)						
1. The Commissioner is hereby authorized to charge indicated fees and emitted.	3. ADDITIONAL FEES						
Indicated fees and credit any overpayments to:	Large Small						
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Deposit	Code (\$) Code (\$)	Fee Description	Fee Paid				
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Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharg cover sh	e - late provisional filing fee or eet					
Applicant claims small entity status. See 37 CFR 1.27	139 130 139 130 Non-Eng	lish specification					
2. Payment Enclosed:	147 2,520 147 2,520 For filing	a request for ex parte reexamination					
X Check Credit card Money Order Other	I12 920* 112 920* Requesti Examine	ng publication of SIR prior to r action					
FEE CALCULATION	113 1,840° 113 1,840° Requesti Examine	ng publication of SIR after raction					
1. BASIC FILING FEE	15 110 215 55 Extensio	n for reply within first month					
Large Entity Small Entity	16 390 216 195 Extension	n for reply within second month					
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101 710 201 355 Utility filing fee 355	18 1,390 218 695 Extension	for reply within fourth month	!				
106 320 206 160 Design filing fee	28 1,890 228 945 Extension	for reply within fifth month					
107 490 207 245 Plant filing fee	19 310 219 155 Notice of	,					
108 710 208 355 Reissue filing fee	20 310 220 155 Filing a br	ief in support of an appeal					
114 150 214 75 Provisional filing fee	A4 A-A AA4	or oral hearing					
SUBTOTAL (1) (\$) 355	38 1,510 138 1,510 Petition to	institute a public use proceeding					
	40 110 240 55 Petition to	revive - unavoidable					
Fee from	41 1,240 241 620 Petition to	revive - unintentional					
Extra Claims below Fee Paid	12 1,240 242 620 Utility issu	e fee (or reissue)					
Independent 3 300 - 0	13 440 243 220 Design isa	ue fee					
Multiple Dependent	14 600 244 300 Plant issue	e fee					
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Large Entity Small Entity	23 50 123 50 Processing	g fee under 37 CFR 1.17(q)					
Fee Fee Fee Fee Description Code (\$) Code (\$)	8 180 126 180 Submissio	n of Information Disclosure Stmt					
103 18 203 9 Claims in excess of 20	1 40 581 40 Recording property (t	each patent assignment per imes number of properties)	40				
102 80 202 40 Independent claims in excess of 3	6 710 246 355 Filing a sul	omission after final rejection					
104 270 204 135 Multiple dependent claim, if not paid 109 80 209 40 ** Reissue independent claims	37 CFR §) 9 710 249 355 For each a	idditional Invention to be	 				
over original patent	examined	(37 CFR § 1.129(b))					
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**or number previously paid, if greater; For Reissues, see above	duced by Basic Filing Fee Paid	SUBTOTAL (3) (\$)	40				

SUBMITTED BY	Iv			Complete (ii	AnniiroNe)
Name (Print/Type)	Ivan L. Ericson	Registration No. (Attorney/Agent)	29302	Telephone	0.00
Signature	Som L. Ericion		23302	Date	865 483 6275 4-20-01

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